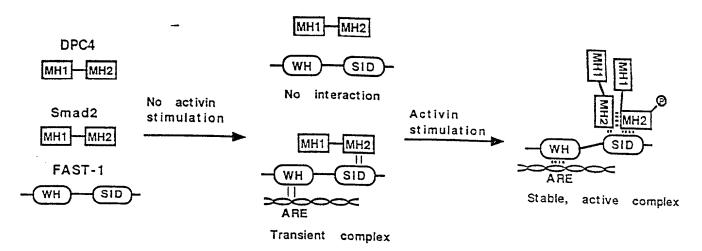
Figure 1



Smad4 Smad4-HA Activin

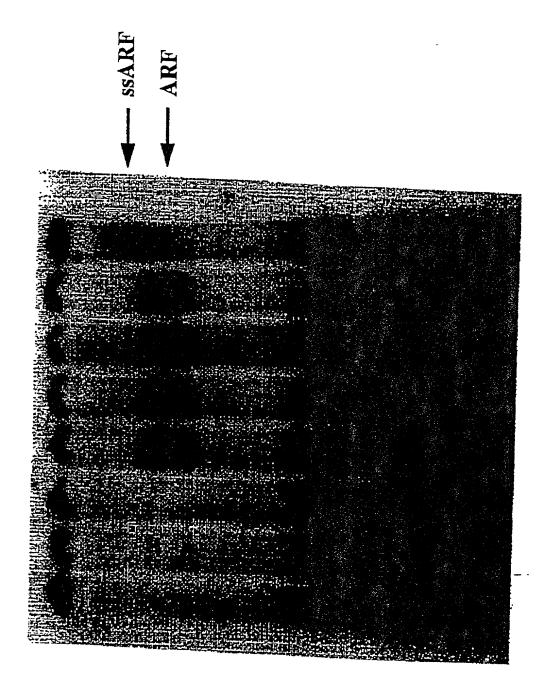
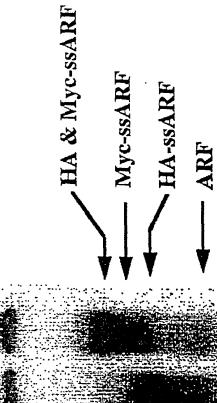


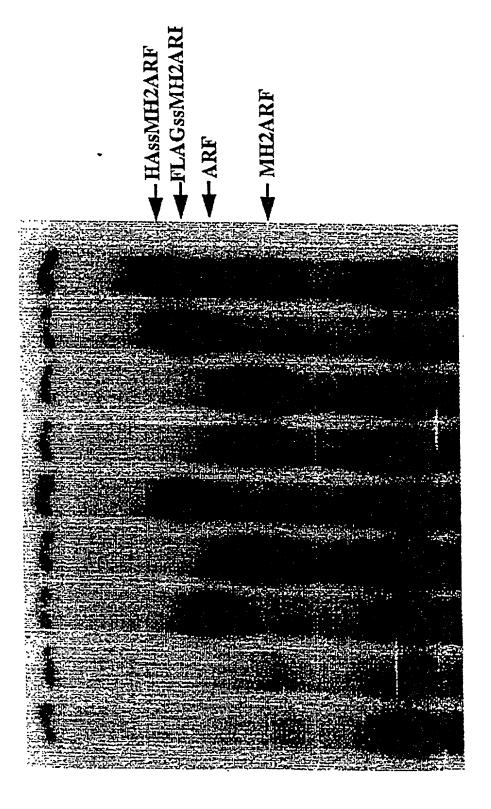
Figure 2

Anti-HA antibody

Anti-Myc antibody - + - Anti-HA antibody - +

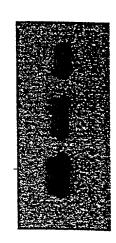


FLAG-Smad2MH2	+	x	100 miles		1		A CONTROL OF THE PARTY OF THE P	
Smad4HA	1	1	•	1	1	+	+	+
Activin -	1	+	+	+ + + +	+	+	+	+
Anti-FLAG antibody-	1	1	1	+	1	t	+	•
Anti-HA antibody -	1	1	ĸ	ı	+	ı	1	+

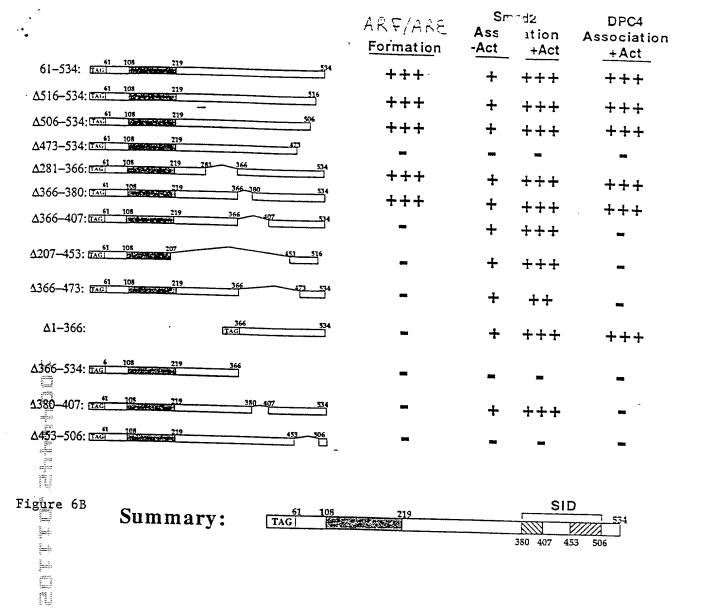


Myc Western
Cell lysate
Myc Western

GST-IP Myc Western



Cell lysate Myc Western



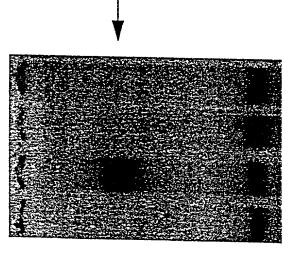


Figure 8A

		EF1α XBra	
	+Act		11
Smad2 +F	ı		10
	1		6
FAST-1 366-534	+Act +FGF		∞
FA 360	V +		2 9
No Injection	+Act +FGF		w
	+ A c		4
	ĭ		ω
Whole Embryos	+RT -RT		7
	+RT		₩

Figure 8B

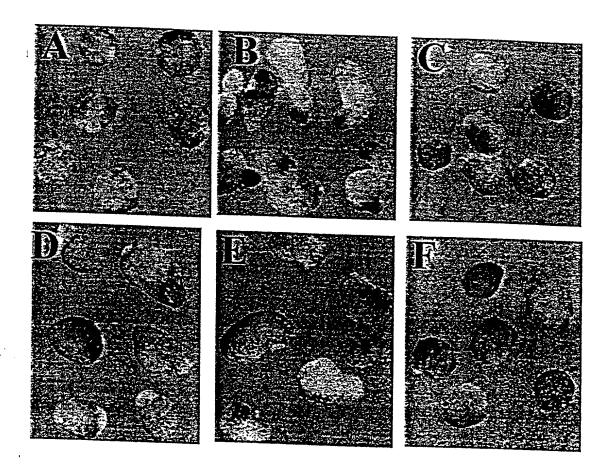
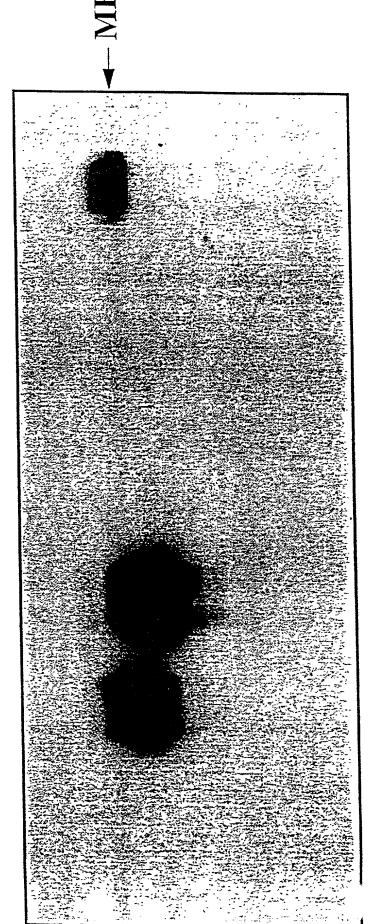


Figure 9



```
M - - - - - mouse FASTI protein sequence
  MRDPSSLYSGFPAGSQYESVEPPSLALLSS xenopus FASTI protein sequence
       2
      ----- mouse FASTI protein sequence
   IDQEQLFVATGQSYMHSVQPWFQPWPPLSL xenopus FASTI protein sequence
   _____ human FASTI protein sequence
   2
   YREGGTMSPDRGSMYGISPGTHEG---- kencpus FASTI protein sequence
   STYTPTTPSPQLALAPAQGYLECMGPRDNS mouse FASTI protein sequence
           ---- xenopus FASTI protein sequence
   -LGPPE--AESPSQPPKRRKKRYLRHDKPPhuman FASTI protein sequence
   QLRPPE - - AESILSKTEKKRYLRHDKPP mouse FASTI protein sequence
   - EGPKDSMAGDQTRSRESKKKKKYMHRYNKPP xemopus FASTI protein sequence
   YTYLAMIALVIQAAPSRRLKLAOIIRQVQA human FASTI protein sequence
   YTYLAMIALVIQAAFFRRLKLA ---- OVOA mouse FASTI protein sequence
120 Y SYLAMIALVIONS E KRLKLSOILKEVST xercpus FASTI protein sequence
   VFPFFREDYEGWKDSIRHNLSENRCFRKVP human FASTI protein sequence
93 VFPFFRDDYEGWKDSIRHNLSS<u>NR</u>CFHK<u>VP</u> mouse FASTI protein sequence
150 LFPFFNGDYMGWKDSIRHNLSSSDCFKKIL xeropus FASTI protein sequence
S KDPAKPQAKGNFWAVDVSLIPAEALRLQNT human FASTI protein sequence
KDPAKPQAKGNFWAVDVSLIPAEALRLQNT mouse FASTI protein sequence kDPGKPOAKGNFWTVDVSRIPLDLAMKLONT xeropus FASTI protein sequence
126 ALCRRWQMGGARGAFAKDLGPYVLH---- haman FASTI protein sequence
153 ALCRRWONRGTHRAFAKDLSPYVLH - - - - mouse FASTI protein sequence
210 AL ----TRGGSDYFVQDLAPYILHNYKYE xenopus FASTI protein sequence
 151 - - GRPYRPPSPPPPSE------human FASTI protein sequence
 178 - - G Q P Y Q P P P P P P P R E --- - - - - - - mouse FASTI protein sequence
 235 HNAGAYGHQMPPSHARSLSLAEDSQQTNTG xercpus FASTI protein sequence
 166 ---- GFSIKSLURRSGE---- GRPWP--- human FASTI protein sequence
 184 G L A P Q N S P V P A G - - - - - - - T G N N G E human FASTI protein sequence
 214 G L P G Q S T A A Q A G - - - - - - - T L S K G E mouse FASTI protein sequence
 291 NU E NORISPAVAMIMMYSSAPLIMEDHSHPT Menopus FASTI protein seguence
 202 EAVPTPPISSERPLWFLCPLFGFTRVEGE human FASTI protein sequence
232 EGM GTGPSSSSTTPLWFLCSLFGFTIEGE mouse FASTI protein sequence
321 RNARSPGLSTIHSTY---SSSSSSTSTISTIS MEnopus FASTI protein sequence
 232 TW - - Q G G A M G P Q P S P D S L G P - G L S T T A G H R human FASTI protein sequence
  262 SS--QGEVIRESEVIEDQGSWFUHLLEDSA mouse FASTI protein sequence
347 PMGFONEQERSGRORVEH-ZIRRSREDD Menopus FASTI protein sequence
```